

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Aaron Newton

GENERAL INFORMATION:

Name: David Bradford

Address: 620 Clay Street, Bowling Green, Ky, 41110

Date application received: May 23, 2001

SIC/Source description: Aluminum Smelting and Refining, Secondary

EIS #: 021-227-00135

Application log number: 53844

Permit number: F-01-037

APPLICATION TYPE/PERMIT ACTIVITY:

☒ Initial issuance

☐ Permit modification

 __Administrative

 __Minor

 __Significant

☐ Permit renewal

☐ General permit

☒ Conditional major

☐ Title V

☐ Synthetic minor

☐ Operating

☒ Construction/operating

COMPLIANCE SUMMARY:

☐ Source is out of compliance

☐ Compliance certification signed

☐ Compliance schedule included

APPLICABLE REQUIREMENTS LIST:

☐ NSR

☐ PSD

☐ Netted out of PSD/NSR

☐ NSPS

☒ NESHAPS

☐

☐ SIP

☐ Other

☐ Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b)

MISCELLANEOUS:

☐ Acid rain source

☐ Source subject to 112(r)

☒ Source applied for federally enforceable emissions cap

☐ Source provided terms for alternative operating scenarios

☒ Source subject to a MACT standard

☐ Source requested case-by-case 112(g) or (j) determination

☐ Application proposes new control technology

☐ Certified by responsible official

☒ Diagrams or drawings included

☐ Confidential business information (CBI) submitted in application

☐ Pollution Prevention Measures

☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM		15.06
SO ₂		0.688
NO _x		6.89
CO		5.52
VOC		4.90
LEAD		-
HAP > 10 tpy (by CAS)		22.4
HF		2.85
HCl		19.56

SOURCE PROCESS DESCRIPTION:

David Bradford proposes to construct and operate a secondary aluminum processing facility. The company will bring in scrap aluminum (from used beverage cans) for smelting in a tilted rotary furnace. The dross waste from the smelting process will be temporarily stored on site and then hauled off by a disposal company which will in turn land fill the material. A lime injected baghouse will be attached to control emissions of particulate matter as well as acid gas emissions from reactive fluxing of the furnace. The smelting process will also result in insignificant emissions of Dioxin and Furan.

EMISSION AND OPERATING CAPS DESCRIPTION:

An emission limit of 9.5 tpy is placed on plantwide HCl emissions.